Author Index

Abate, V., 173
Abramovici, H., 353
Adaniya, G. K., 343
Åkerlöf, E., 357
Albotiano, S., 181
Amarin, Z., 190
Amit, A., 66
Amit, S., 348
Armant, D. R., 218
Ashkenazi, D., 130
Ashkenazi, J., 242, 316
Atiee, S., 307

Baker, H. W. G., 319
Barad, D. H., 189
Barak, Y., 66
Barg, P., 189
Barriere, P., 64
Bartfai, G., 189
Bavister, B. D., 162
Ben David, M., 242, 316
Ben-Rafael, Z., 168
Berger, M. A., 30
Berkowitz, A. S., 307
Bernstein, J., 232
Bettendorf, G., 299
Bieglmayer, Ch., 228
Bispink, L., 299
Boiffard, J. P., 64
Bonaventura, L. M., 356
Bosscheiter, J., 129
Boyers, S. P., 269, 291
Brackpool, P., 190
Bradley, C. A., 98
Braendle, W., 299
Breen, T. M., 5, 286, 288
Brison, D., 190
Broderick, L., 356
Brody, S., 357
Bronson, R., 195
Brumby, M., 198
Burchell, H. J., 256
Buttery, B., 124

Cafatti, C., 192
Cali, A., 173
Callesen, H., 281
Campbell, S., 61, 89
Carlström, K., 357
Carney, E. W., 162
Caro, C. M., 265
Carter, M. E., 126
Chalder, K., 277
Chan, C., 334
Chan, H. H. Y., 245
Chan, P. J., 237
Charbonnel, B., 64
Choy, V. J., 103
Claman, P., 218
Cohen, B. L., 189
Colburn, D., 46
Collins, W., 61
Condon-Mahony, M., 93
Cook, C. L., 185
Corrigan, E., 58
Costoya, A., 192
Cronje, H. S., 256
Cummins, J. M., 5, 286, 288

David, M. P., 66
Davidson, G., 124
Daya, S., 338
De Corato, R., 173
de Krester, D. M., 141
DeCherney, A. H., 3, 205, 251, 269, 291, 293
DeLisi, A. M., 46
Deutinger, J., 228
Diamond, M. P., 34, 205, 251, 291, 293
Dicker, D., 130, 242, 316
Direnfeld, M., 353
Dujovne, S., 192

Edgar, D. H., 111, 273
Eisenberg, S., 30
Enk, L., 338
Entman, S. S., 98

Faratian, B., 260
Favrin, S., 56
Fehilly, C., 159
Feinman, M. A., 189
Feldberg, D., 130, 242, 316
Fernandez, H., 241
Fischl, F., 228
Fishel, S., 260
Flickinger, G. L., 168
Foote, R. H., 73
Ford, N., 89
Foster, P. A., 58
Franken, D. R., 256
Fredricsson, B., 357
Freeman, R., 189
Friedler, S., 188
Frydman, R., 241
Fukuda, A., 40

Gentry, W. C., 312
Gill, A., 190
Giudice, L. C., 188
Glatt, J., 190
Glezerman, M., 181
Goldman, J. A., 130, 242, 316
Graham, F. M., 103
Greve, T., 281
Grudzinskas, J. G., 296
Gustafson, O., 357

Harrison, K. L., 5, 286, 288
Heifetz, M., 353
Held, B., 307
Hennessey, J. F., 5
Herbert, C. M., 34
Hill, G. A., 34, 251
Hilton, F. K., 185
Ho, L., 188
Holmes, H. B., 116
Holtz, G. L., 177
Hommonnai, Z. T., 66
Hovorka, J., 23
Hsiung, C. H. C., 312
Hull, M. G. R., 58
Hyttel, P., 281

0740-7769/87/1200-0362$05.00/0 © 1987 Plenum Publishing Corporation

Author Index

Abate, V., 173
Abramovici, H., 353
Adaniya, G. K., 343
Åkerlöf, E., 357
Albotiano, S., 181
Amarin, Z., 190
Amit, A., 66
Amit, S., 348
Armant, D. R., 218
Ashkenazi, D., 130
Ashkenazi, J., 242, 316
Atiee, S., 307

Baker, H. W. G., 319
Barad, D. H., 189
Barak, Y., 66
Barg, P., 189
Barriere, P., 64
Bartfai, G., 189
Bavister, B. D., 162
Ben David, M., 242, 316
Ben-Rafael, Z., 168
Berger, M. A., 30
Berkowitz, A. S., 307
Bernstein, J., 232
Bettendorf, G., 299
Bieglmayer, Ch., 228
Bispink, L., 299
Boiffard, J. P., 64
Bonaventura, L. M., 356
Bosscheiter, J., 129
Boyers, S. P., 269, 291
Brackpool, P., 190
Bradley, C. A., 98
Braendle, W., 299
Breen, T. M., 5, 286, 288
Brison, D., 190
Broderick, L., 356
Brody, S., 357
Bronson, R., 195
Brumby, M., 198
Burchell, H. J., 256
Buttery, B., 124

Cafatti, C., 192
Cali, A., 173
Callesen, H., 281
Campbell, S., 61, 89
Carlström, K., 357
Carney, E. W., 162
Caro, C. M., 265
Carter, M. E., 126
Chalder, K., 277
Chan, C., 334
Chan, H. H. Y., 245
Chan, P. J., 237
Charbonnel, B., 64
Choy, V. J., 103
Claman, P., 218
Cohen, B. L., 189
Colburn, D., 46
Collins, W., 61
Condon-Mahony, M., 93
Cook, C. L., 185
Corrigan, E., 58
Costoya, A., 192
Cronje, H. S., 256
Cummins, J. M., 5, 286, 288

David, M. P., 66
Davidson, G., 124
Daya, S., 338
De Corato, R., 173
de Krester, D. M., 141
DeCherney, A. H., 3, 205, 251, 269, 291, 293
DeLisi, A. M., 46
Deutinger, J., 228
Diamond, M. P., 34, 205, 251, 291, 293
Dicker, D., 130, 242, 316
Direnfeld, M., 353
Dujovne, S., 192

Edgar, D. H., 111, 273
Eisenberg, S., 30
Enk, L., 338
Entman, S. S., 98

Faratian, B., 260
Favrin, S., 56
Fehilly, C., 159
Feinman, M. A., 189
Feldberg, D., 130, 242, 316
Fernandez, H., 241
Fischl, F., 228
Fishel, S., 260
Flickinger, G. L., 168
Foote, R. H., 73
Ford, N., 89
Foster, P. A., 58
Franken, D. R., 256
Fredricsson, B., 357
Freeman, R., 189
Friedler, S., 188
Frydman, R., 241
Fukuda, A., 40

Gentry, W. C., 312
Gill, A., 190
Giudice, L. C., 188
Glatt, J., 190
Glezerman, M., 181
Goldman, J. A., 130, 242, 316
Graham, F. M., 103
Greve, T., 281
Grudzinskas, J. G., 296
Gustafson, O., 357

Harrison, K. L., 5, 286, 288
Heifetz, M., 353
Held, B., 307
Hennessey, J. F., 5
Herbert, C. M., 34
Hill, G. A., 34, 251
Hilton, F. K., 185
Ho, L., 188
Holmes, H. B., 116
Holtz, G. L., 177
Hommonnai, Z. T., 66
Hovorka, J., 23
Hsiung, C. H. C., 312
Hull, M. G. R., 58
Hyttel, P., 281

0740-7769/87/1200-0362$05.00/0 © 1987 Plenum Publishing Corporation

Iida, E., 324
Iizuka, R., 324
Insler, V., 181

Jackson, P., 260
Janisch, H., 228
Jarrett, J. C., III, 356
Jinno, M., 324
Johnston, W. I. H., 319
Joyce, D. N., 126
Julian, P., 346

Kaplan-Lraicer, R., 348
Karow, W. G., 312
Kasimba, P., 198
Kelly, R., 348
Kemeter, P., 69
Kemmann, E., 46
Khairy, M. K. A., 190
Kirby, C., 265
Kleinman, D., 181
Knutzen, V., 346
Kogosowski, A., 66
Koren, Z., 189
Koskimies, A. I., 23
Kovacs, G. T., 124
Kruger, T. F., 10

Laatikainen, T., 23
Lam, S. Y., 319
Lamb, E. J., 188
Laufer, N., 30
Lavy, G., 269, 291, 293
Leader, A., 277
Lee, M. S., 168
Lee, S., 190, 331, 354
Leeton, J., 13, 18, 51, 124
Leeton, J. F., 223
Lehtinen, A.-M., 23
Leiberman, J. R., 181
Leiblum, S. R., 46
Lenz, S., 13, 18, 51, 159
Leong, M. K. H., 245
Lerat, M. F., 64
Lessing, J. B., 66
Leung, C. K. M., 245
Levin, M., 129
Levin, S., 135
Lewin, A., 30
L'Hermite, A., 64
Lichtenberg, V., 299
Lindenberg, S., 159
Lindner, Ch., 299
Lissak, A., 353
Lombard, C. J., 10
Lopes, P., 64
Lunell, N.-O., 357

Mabbett, K., 190
Macduff, S., 232
Mahadevan, M., 277
Mahadevan, M. M., 223
Mahlstedt, P. P., 232
Margalioth, E. J., 30
Marriage, V., 346
Marrs, R. P., 107, 153
Mason, B., 61, 89
Mastroianni, L., Jr., 168
Mathur, R. S., 177
Mathur, S., 177
Matsumoto, H., 40
Maxson, W. S., 34, 98
McBain, J. C., 319
McDermott, A., 58
McKenna, M., 319
McLaughlin, D., 356
McLaughlin, E. A., 58
Meizner, I., 181
Meloni, F., 168
Mettler, L., 303
Michelmann, H. W., 303
Milki, A., 188
Miller, I. F., 343
Mills, J. A., 111, 273
Mitchell, J. D., 58
Monrozies, X., 56
Mori, T., 40
Muller-Tyl, E., 228
Myers, S. A., 300

Nader, S., 307
Naftolin, F., 205
Navot, D., 30
Nero, F., 251, 291, 293
Nessler, M., 356
Nicholson, R. F., 129
Nilsson, L., 338
Noda, Y., 40
Nylund, L., 357

Ochs, D., 307
Ogawa, T., 153
O'Neill, C., 148
Ono, T., 153
Oskowitz, S. P., 218
Osteen, K., 98
Osteen, K. G., 34
Ovadia, J., 348

Pampiglione, J., 89
Parinaud, J., 56
Pasquale, S., 46
Pastore, U., 192
Paterson, P., 334
Paz, G., 66
Peek, J. C., 103
Pellicer, A., 205
Peoples, D., 93
Petersen, K., 159
Peyser, M. R., 66
Picker, R. H., 148
Pinkas, H., 348
Pinker, G., 89
Polan, M. L., 269
Polansky, F., 188
Pontonnier, G., 56
Pope, A. K., 286, 288
Porter, R. N., 148
Potashnik, G., 181
Pousette, Å., 357
Pousset, C., 64
Pretorius, E., 256

Quentin, M., 64

Rabinowitz, R., 30
Rawlins, R. G., 343
Ray, B. D., 58
Reinthaller, A., 228
Reme, J.-M., 56
Renou, P., 51, 124
Rey, M., 192
Riddle, A., 61, 89
Riss, P., 228
Robertson, R. D., 148
Rofe, A., 353
Rogers, B. J., 34
Rogers, P., 13, 124
Rosenberg, L., 357
Rudick, Z. V., 66
Russell, J. B., 269, 291
Rust, P. F., 177

Sagot, P., 64
Sanchez, M. I., 192
Sanfilippo, J. S., 185

Sarramon, M.-F., 56
Saunders, D. M., 148
Schark, K., 293
Schenker, J. G., 30
Schirren, C., 299
Schmit, J. M., 192
Schnarr, P., 356
Schultz, G. S., 185
Seibel, M. M., 135, 218
Sharma, V., 61, 89
Shaw, G., 5
Shaw, J. M., 5
Sheinfeld, M., 353
Shekleton, P., 124
Shelef, M., 130, 242, 316
Shen, E., 188
Sher, G., 346
Shirley, B., 93
Shoshani, Z., 353
Sidhu, B., 190
Silver, I. H., 185
Slotte, H., 357
Smedley, M., 190
Smith, D. H., 148
Smith, D. W., 312
Smith, K., 10
Soper, C., 58
Sorokin, Y., 353
Stander, F. S. H., 10
Stinchi, A., 173
Stratton, C. J., 346
Sykes, J. A. C., 58

Tadir, Y., 348
Taylor, P. J., 277
Taymor, M. L., 218
Tejada, R. I., 312
Tepper, R., 348
Toker, R., 348
Torode, H. W., 148
Trounson, A., 13, 265
Trounson, A. O., 223
Tsai, C. C., 177
Tsui, M.-S., 312
Tsukui, S., 40
Tucker, M. J., 245
Turner, K., 188
Tymstra, T., 116

Van der Merwe, J. P., 10
Vargyas, J. M., 107
Vaughn, W. K., 34, 98
Vaught, L. K., 346
Vaught, W. G., 346

Wang, T.-A., 218
Wardle, P. G., 58
Watkins, W. B., 103
Webster, B. W., 34, 98
Webster, J., 260
Weisman, Z., 353
Wentz, A. C., 34, 98, 251
Wessels, P. H., 256
Whalley, K. M., 111, 273
White, S., 93
Wikland, M., 338
Williamson, H. O., 177
Wilson, L. M., 5, 286, 288
Wiseman, D., 277
Wiswedel, K., 129
Wolf, D. P., 307
Wong, C. J. Y., 245
Wood, C., 124, 223
Wortham, J. W. E., Jr., 93
Wu, T., 188

Xu, K. P., 281

Yano, J., 40
Yates, C. A., 141
Yovel, I., 66
Yovich, J. L., 296, 297
Yussman, M. A., 185

Zaneveld, L. J. D., 343

Journal of in Vitro Fertilization and Embryo Transfer, Vol. 4, No. 6, 1987

Subject Index

Abdominal complications, 316
Acid phosphatase, 181
Adenosine diphosphate, 324
Amino acids, 162
Amniocentesis, 312
Anesthesia, 23
Anesthesia, general, 260

β-endorphin, 23
Blastocyst, 162
Book Review
  The Computer in Obstetrics and Gynecology, 200

Cattle, 73
Cavitation, 159
Cholesterol, 30
Cleavage rate, 218
Clomiphene citrate, 34
Cloning, 198
Cortisol, 23

Deleterious, 277
Down syndrome, 312

Editorials
  A Tribute to Howard and Georgeanna Seegar Jones, 1
  The Usefulness of Corticoids in Stimulated Cycles for in Vitro Fertilization, 69
  A New Era in Reproductive Technologies: The Emotional Stages of in Vitro Fertilization, 13
  Immunity in Sperm and in Vitro Fertilization, 195
  Estradiol Values Under Gonadotropin Stimulation in Relation to the Outcome of Pregnancies in in Vitro Fertilization and Embryo Transfer, 13
Effects, 153
Electrophysiological measurements, 331
Embryo, hamster, 162
Embryo, mouse, 331
Embryo culture, 93, 162, 265
Embryo culture, mouse, 40
Embryo development, 9
Embryo preservation, 73
Embryo quality, 218
Embryo quantity, 218
Embryo replacement, 260
Embryo research, 198
Embryo transfer, 13, 18, 73, 116, 173, 269
Embryo viability, 265
Embryonic development, 324
Embryos, 307
Emotional factors, psychological, 232
Endometrial biopsy, 173
Enflurane, 260
Estradiol levels, 107
Estradiol, 103, 251, 307
Ethics, medical, 116

Fallopian tube, 256
Fertility, 73
Fertilization, 9, 307
Follicle, 107
Follicular fluid steroid metabolism, 228
Follicular fluid, 30, 98, 103, 168, 181
Follicular maturation, 205
Follicular recruitment, 307
Fractions, 153
Frozen storage, 5

Gamete, 256
Gamete intrafollopian transfer, 256
Genetic abnormality, 312
Glutamine, 162
Gonadotropin dose, 273
Growth factors, 265

Halothane, 260
Ham's F-10 medium, 9
Human gonadotropins, 107
Human menopausal gonadotropins, 34
Hypothalamic pituitary axis, 107

In vitro fertilization, 5, 23, 30, 89, 103, 107, 116, 141, 148, 153, 173, 181, 198, 205, 223, 319, 334, 338
In vitro fertilization, follow-up, 46

0740-7769/87/1200-0365$05.00/0 © 1987 Plenum Publishing Corporation

In vitro fertilization, human, 9
In vitro fertilization, mouse, 40, 111, 273
In vitro fertilization, preparation, 232
In vitro fertilization, reproductive options after, 46
In vitro fertilization, unsuccessful, 46
In vitro fertilization—embryo transfer, 34, 177, 218
In vitro maturation, 281
In vivo maturation, 281
Infertility crisis, 46
Infertility legislation, 198
Infertility, 116
Infertility, male-factor, 141
Intrafollicular markers, 205

Laparoscopy, 23
Letters to the Editors
Use of GnRH Analogues in Ovulation Induction for in Vitro Fertilization: Benefit of a Short Administration Regimen, 64
Interdepartmental Unit for IVF/ET, Serlin-Hakirya Maternity Hospital, Tel Aviv, Israel, 65
In Vitro Fertilization and Embryo Transfer at the CEGYR, Buenos Aires, Argentina, 129
In Vitro Fertilization Program at Broote Schuur Hospital, Cape Town, Republic of South Africa, 129
Human in Vitro Fertilization and Embryo Transfer at the Golda Meir Medical Center, Israel, 130
Clinical Results of Stanford University's in Vitro Fertilization and Embryo Transfer Program, 188
The in Vitro Fertilization Program at Albert Einstein College of Medicine, Bronx, New York, 189
Initial Results of an in Vitro Fertilizaion and Embryo Transfer Program in Cairo, Egypt, 189
Progress Report on in Vitro Fertilization at a Recently Established Clinic London Bridge Hospital, London, United Kingdom, 190
The in Vitro Fertilization Program at the Army Hospital in Santiago, Chile, 191
Semantics and Acronyms in in Vitro Fertilization (IVF), 296
Establishment of a Successful in Vitro Fertilization (IVF) and Gamete Intrafallopian Transfer (GIFT) Program in Malaysia, 297
In Vitro Fertilization (IVF) and Gamete Intrafallopian Transfer (GIFT) Program at the University of Hamburg, Federal Republic of Germany:
Experiences with Two Different Stimulation Protocols, 298
In Vitro Fertilization and Embryo Transfer, Carmel Hospital, Haifa, Israel, 000
Gap Junctions, Compaction, and Development, 000
In Vitro Fertilization—Embryo Transfer and Gamete Intrafallopian Transfer Pregnancy Initiation Center, Indianapolis, Indiana, 000
A Scheduled in Vitro Fertilization Program at Huddinge University Hospital, Karolinska Instituet, Stockholm, Sweden, 000
Lipoproteins, 30
Luteal phase, 269
Luteinizing hormone release, 107

Maternal serum, 93
Membrane, 331
Menstrual cycles, consecutive, 251
Mouse, 93

News and Views
Congress Gets Interested in Infertility, 3

Oocyte, 223
Oocyte cleavage, 168
Oocyte collection, 51, 159
Oocyte fertilization, 181
Oocyte maturation, 205, 228
Oocyte pickup, 148
Oocyte, human, 277
Oocytes, cattle, 281
Oocytes, percutaneous transvesical collection of, 316
Oocytes, ultrasonic collection of, 316
Ovarian hyperstimulation, 34
Ovary, single, 319
Ovulation induction, 251
Oxytocin, 103

Peritoneal oocyte and sperm transfer, 89
Platelets, 324
Pregnancy, 93, 277, 281
Pregnancy rates, 218, 334
Preimplantation development, 111, 273
Progesterone, 103
Prolactin, 23, 168, 223, 269
Protein, 98

Reviews
In Vitro Fertilization and Embryo Transfer in

Domestic Animals: Applications in Animals and Implications for Humans, 73
Male Factor Infertility and in Vitro Fertilization, 141

Serum, 153
Serum, human, 5
Serum α-fetoprotein, 312
Serum preparation, 324
Serum replacement, 265
Short Communications
Mouse System Quality Control is Necessary Before the Use of new Material for in Vitro Fertilization and Embryo Transfer, 56
In Vitro Fertilization: Fertilization Failures Due to Toxic Catheters, 58
Gonadotropin-Induced Successful Follicular Development, Oocyte Recovery, Fertilization, and Cleavage of Embryos in Undiagnosed Early Pregnancy, 61
Ectopic Tubal Pregnancy Following in Vitro Fertilization and Embryo Trans Under Ultrasonic Control, 124
Ovarian Carcinoma in a Patient Hyperstimulated by Gonadotropin Therapy for in Vitro Fertilization: A Case Report, 126
Ham's F-10 Constituted Tap Water Supports Mouse Conceptus Development in Vitro, 185
Developmental Potential of Human Oocytes According to Zona Pellucida Thickness, 237
Cancer and in Vitro Fertilization, 241
Ovum Pickup for in Vitro Fertilization: A Cause for Mechanical Infertility?, 242
Is Delayed Capacitation a Complicating Factor in the Treatment of Idiopathic Infertility by Intrauterine Insemination?, 245
UltraSer G as a Serum Substitute in Embryo Culture Medium, 286
The Optimum Concentration of Albumin as an Embryo Cryoprotectant, 288
Weight of Babies Conceived in Vitro, 291
Transvaginal and Transabdominal Ultrasound for Monitoring of Follicular Development in an in Vitro Fertilization and Embryo Transfer Program: Patient Response, 293
Effect of Sodium Alginate Encapsulation on the Development of Preimplantation Mouse Embryos, 000
An Improved System for Catheter Loading During Embryo Transfer, 000
Practical and Informative Charts for in Vitro Fertilization and Embryo Transfer, 000
Sperm, 223
Sperm antibodies, cytotoxic, 177
Sperm antibodies, hemagglutinating, 177
Sperm motility, 223
Sperm separation, 141
Spermatozoa, 141
Steroid levels, 30
Steroids, 168
Superovulation, 73, 111

Transferrin, 98
Transfundal transfer, 13
Treatment strategies/emotional, 232
Tubal infertility, 319

Ultrasonic puncture, 13, 18, 51, 159
Ultrasonography, transvaginal, 338
Ultrasound, 89, 277
Ultrasound, transvaginal, 148
Ultrasound bioeffects, 338
Uterine receptivity, 173

Water analysis, 40
Water quality, 40

Zone pellucida, 223